Reference #			EPA	
BIA	**HUD**	**EPA**	**Work Description**	**Requested Ti**
		3:20	Coordinate Order Review Meeting - Clarify Requirements And Time Frame - Concerns & Issues - Continued open Communication	5/23/2019 (EAO Date) (Start Date to be agreed upon with EPA) (Tentative Start Date 7/15/19)
		3:21	Finalize Response to Order Action Plan - Discussion topics	1st Meeting
		3:22	Engineering Report: -Water Treatment Plant -Distribution System & Valving	Refer to EPA Item 3:20
		3.23	Engineering Report to EPA	Refer to EPA Item 3:20
		3.24	Engineering Report Action Plan To Address: - Turbidity - Low Pressure - Chlorine Residual - Reliability/Operability	
		3.25	Complete Action Plan for EPA Issues:	Refer to EPA Item 3:20
				SUB TOTAL 1
		3.26-f	**Coagulation Chemical -** Conform to SOP	
		3.28	**Coagulation SOP** - Prepare SOP	Refer to EPA Item 3:20
		3.26-g	**Jar Testing** - Coagulation/Flocculation Testing perform daily	
		3.26-j	**Colorimeters -** Use appropriate reagents	
		3.26-k	**Cross Connection Plan**	
		3:30/31	**Reporting** - Update to Adam Baron EPA	
		3.27	**Sed Tank** - remove settled solids	

		3.26-a	**Turbidity Meters** - Install Automated meters with targets, alarms, shutoff, coagulant control features	
	HUD 006		**Carbon Dust Enclosure** - Replacement	
		3.26-l (merged)	**Filter Backwash** - Functional operability test/study; Prepare Backwash SOP	
BIA 00075	HUD 005		**Filter Media** - Replacement	
	HUD 001		**Filter Media** - Review	
		3.26-h	**Sampling System** - Repair malfunctioning sample line IFE #2	
	HUD 009		**Backwash Settling Pond** - Lining	
BIA 00071	HUD 003	3.26-e	**Finished Water Lift Pumps**	
		3.26-c	**Flow Control Valves** - For each finished water pump	
		3.26-b	**Flow Meters -** Install raw water FM for coagulant flow control; Interposes; Lift Station; Coagulant Feed, Settling Tanks	
BIA 00074	HUD 008		**HVAC** - Supply Controls @ Water Treatment Plant	

	HUD 007	3.29	**Raw Water Intake** - Repair Air Scour	
BIA 00072	HUD 002		**Raw Water Well/Pumps/Electrical/MICAR -** Chemical Dosing & Mixing	
BIA 00073		3.26-d	**SCADA -** Enable Flow Control, pH Monitoring and Control, Temperature Monitoring, Disinfection Monitoring and Control, Lift Pump Operation	
	HUD 010		**WTF/Sample Wastewater Disposal -** System Sewer Separation/Septic Tank issue	
	HUD 011		**Administrative Tasks**	
	HUD 012		**Indirect Costs**	
	HUD 013		**IHS Technical Assistance & Inspections**	
			Engineering Support - Coordinate, Design, and Implement EPA/HUD/BIA funded work	
				SUB TOTAL 2
			-Replace and/or Repair 7 primary PRV/Flow Control Stations -All 7 Station surveyed, repairs designed -Forestry, Catholic Church, George Street, Greely Heights, West Hill Stations construction is proceeding - SE Station, Kah-Ne-ta and final George Street repairs to be scheduled	
			WTP Operator Training Sponsored by EPA	

	SUB TOTAL 3
	TOTAL

				BIA Funds
me Frame	Ops/Main/Cap	Status	Notes	
5 days after		Complete		
24 hr prior		Complete		
120 days after		Being Coordinated with PDG/B&A PhI $150K PhII $300K	Funding To Be Confirmed with ICF FUNDS BEING SOUGHT FROM EPA/STATE	
125 Days After				
150 days After				
				$ -
5-Aug-19	O	Ongoing & Complete	1. Sample for jar testing SOP to be modified to allow sample from Raw Water Wet Well. 2. Reagent testing ongoing with IHS. 3. Coagulant analysis completed. 4. Testing results confirmed use of Alum as coagulant	
30 days after	O			
	O			
	O		1. Reagents correct for colorimetry of chlorine residual and total testing.	
	O		1. Currently TRIBES has one certified operator for cross connection application. Additional operator scheduled for training. 2. TRIBES has cross connection plan and requires updating.	
Weekly	O	Ongoing		
June 1 2019	O	Complete		

	M		1. Desire to utilize WonderWare for remote control and data acquisition. 2. Desire to use Hach turbidity meters. 3. Existing Hach turbidity meters outdated.	
	M		1. New facility to be constructed and contained outside existing building. 2. Need to be evaluated in conjunction with filter media evaluation.	
	M		1. Neptune Microflock filters contain five +/- different materials. 2. Anthracite media replaced several years ago. 3. All media types in need of evaluation.	
	C			$ 38,000
	C			$ 20,000
	M	Complete		
	C		1. Current liner failure results in wash water short circuit to the Deschutes River. 2. Liner is a bentonite layer. 3. Repair period is limited and opportunity for work will drive schedule. 4. In addition to the liner, the discharge and weir plates require replacement.	
Aug-18	C		1. Motors completed by TRIBES. 2. Full review of the pump system is required to establish maintenance management strategies. 3. Confirm adequate MICAR inputs/outputs during work.	$ 85,000
	M			
	C	need 60k		
	C		1. $23,000 from Fund 310 may be utilized if needed.	$ 42,000

	C		1. Determine issue associated with intake. 2. Confirm compliance with ESA. 3. Make good screen connection.	
	C		1. Pumps and motors to be evaluated and full requirements to be determined. 2. Chemical dosing and mixing requirements also to be evaluated.	$ 10,000
	C	Data Collection by Staff	1. Develop monitoring and control strategy to modify P&ID's. 2. WonderWare licenses were purchased and integration not performed.	$ 148,000
	C		1. IHS has developed plans/specificatoins for septic tank replacement and sampling system separation. 2. Documentation to be finalized for procurement.	
		Sole Source Negotiation with PDG/B&A	1. COO requested scope of services and budgt to be finalized no later than 8/16. 2. Funding for these servies to be request from Oregon Community Foundation. 3. The indicative $160,000 is limited to the current BIA/HUD referenced projects.	
				$ 343,000
	C	1st five under construction, last2 schedule to be confirmed	1. BI to have preapred and completed HUD application for $450,000. 2. BI to have prepared request letter for BIA $254,000.	$ 254,000
	C	Sole Source Project with PDG/B&A under evaluation by EPA. Training Nov. 2019	1. Scope of services and budget to be provided to EPA by PDG/B&A.	

		$ 254,000
		$ 597,000

HUD Funds	IHS In-Kind Assistance	EPA Funds	Oregon Community Foundation	TRIBES	Obligated Funds Total
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
$ -	$ -	$ -	$ -	$ -	$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -

					$ -
$ 30,000					$ 30,000
					$ -
$ 29,000					$ 67,000
$ 30,000					$ 50,000
					$ -
$ 60,000					$ 60,000
$ 90,000					$ 175,000
					$ -
					$ -
				$ 23,000	$ 65,000

$ 48,000					$ 48,000
$ 90,000					$ 100,000
				$ 49,000	$ 197,000
$ 50,000					$ 50,000
$ 10,000					$ 10,000
$ 10,000					$ 10,000
	$ 80,000				$ 80,000
			$ 160,000		$ 160,000
$ 447,000	**$ 80,000**	**$ -**	**$ 160,000**	**$ 72,000**	**$ 1,102,000**
$ 450,000					$ 704,000
		$10,000 - $25,000			$ 25,000

$ 450,000		$ 25,000	$ -	$ -	$ 729,000
$ 897,000	$ 80,000	$ 25,000	$ 160,000	$ 72,000	$ 1,831,000